

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (currently amended) A motor vehicle computer system comprising:

a central processor with associated memory and an input unit;

an output unit and a reader for a bulk storage medium, wherein the navigation or multimedia system also has means for ~~individually~~ checking authorized use of each of the bulk storage medium and a selected file from a group of files on the bulk storage medium;

a file management system which is designed to compare an access authorization identifier entered using the input unit with access authorization identifiers for the files stored on the bulk storage medium; and

a means for unscrambling an access authorization identifier entered in scrambled form;

wherein the computer system is adapted for use in a motor vehicle.
2. (original) The computer system as claimed in claim 1, wherein the bulk storage medium contains encrypted files.
3. (original) The computer system as claimed in claim 1, further comprising means for decrypting encrypted files.
- 4-5. (canceled)

6. (previously presented) The computer system as claimed claim 1, wherein the access authorization identifier can be described as a vector.

7. (original) The computer system as claimed in claim 6, wherein an at least an m-dimensional access authorization identifier is utilized, where m is the number of files stored on the bulk storage medium.

8. (original) The computer system as claimed claim 1, further comprising a device identifier (ID) which is stored in a nonvolatile memory element.

9. (original) The computer system as claimed in claim 8, wherein the device identifier can be changed.

10. (original) The computer system as claimed in claim 1, further comprising means for calculating a key (k) for decrypting an encrypted file from a first code (PIN), entered in scrambled form, and the stored device identifier (ID).

11. (original) The computer system as claimed in claim 10, further comprising means for calculating the access authorization identifier (AC) from a second code (ACW), entered in scrambled form, using the key (k).

12. (previously presented) The computer system as claimed in claim 8, wherein the device identifier (ID) is a vector.

13. (previously presented) The computer system as claimed in claim 8, wherein the device identifier can be automatically changed whenever a new first code has been entered.

14. (original) The computer system as claimed in claim 1, further comprising voice input means.

15. (original) The computer system as claimed in claim 1 further comprising a reader for an optical bulk storage medium.

16. (original) The computer system as claimed in claim 1, wherein the bulk storage medium is a CD-ROM.

17. (original) The computer system as claimed in claim 1, wherein the bulk storage medium is a DVD.

18. (original) The computer system as claimed in claim 1, wherein the files are roadmap data and/or system programs and/or application programs.

19. (original) The computer system as claimed in claim 1, further comprising a connection to a communication means which permits communication with a central station in

which the use rights on the files are managed.

20. (original) The computer system as claimed in claim 19, wherein the connection is a short-haul radio link.

21. (original) The computer system as claimed in claim 19, wherein the communication takes place via a mobile radio network.

22 (canceled)

23. (original) The computer system as claimed in claim 1, wherein the system is designed to receive and process traffic information.

24. (currently amended) A method for enabling access to a selected group of files which are a subset of files stored on a storage medium comprising the steps of:

calculating a key (k) with a device identification number (ID), wherein the device identification number (ID) is for the storage medium, and a first scrambled code (PIN) by a computer system;

generating an identifier (AC) with the key (k) and a second scrambled code (ACW) for the selected group of files which are to be enabled; and

enabling access to the selected group of files provided with a the generated identifier for use by the computer system;

wherein the storage medium is adapted for use in a motor vehicle.

25. (previously presented) The method as claimed in claim 24, wherein the selected group of files are enabled by a file management system of the computer system.

26. (previously presented) The method as claimed in claim 25, wherein the selected group of files are encrypted using the key (k) and is decrypted for use by the computer system using the key (k).

27. (previously presented) The method as claimed in claim 25, wherein the device identification number (ID) is changed whenever another file on the storage medium is enabled, and the changed device identification number is stored in a nonvolatile memory of the computer system.

28. (previously presented) The method as claimed in claim 25, wherein the selected group of files are part of a hierarchical file structure on the storage medium.

29. (currently amended) The method as claimed in claim 25, wherein the generated identifier ~~identifier~~ is a vector.

30. (original) The method as claimed in claim 29, wherein the access authorization identifier has binary components.

31. (previously presented) The method as claimed in claim 28, wherein m components $a(1), a(2), a(3), \dots$ of a vector $AC(x) = (a(1), a(2), a(3), \dots, a(x-1), a(x), a(x+1), \dots, a(m))$ are used to determine a position of a file $D(x)$ in the hierarchical file structure such that all the components of the vector $AC(x)$ which are allocated to files on which the file $D(x)$ is hierarchically dependent take a first value, while all the remaining components, which are allocated to files on which the file $D(x)$ is not hierarchically dependent, take a second value.

32. (original) The method as claimed in claim 25, wherein the key (k) is a vector.

33. (previously presented) The method as claimed in claim 25, wherein the device identification number (ID) is a vector.

34. (currently amended) A method for enabling access to a selected group of files which are a subset of files stored on a storage medium comprising the steps of:

calculating a key (k) with a device identification number (ID), wherein the device identification number (ID) is for the storage medium, and a first scrambled code (PIN) by a computer system;

generating an identifier (AC) with the key (k) and a second scrambled code (ACW) for the selected group of files which are to be enabled; and

enabling access to the selected group of files provided with the generated identifier for use by the computer system;

wherein the selected group of files are enabled by a file management system of the computer system;

wherein the device identification number (ID) is a vector; and

~~The method as claimed in claim 33,~~ wherein the vector for the device identification number is changed whenever a file has been enabled, by multiplying the vector by a change vector c , so that $ID(i)=ID(i=1)*c$ is true after a file has been enabled for the i -th time.

35. (original) The method as claimed in claim 25, wherein the method further comprises generating information in a motor vehicle navigation system.

36. (previously presented) The method as claimed in claim 35, wherein the selected group of files contain roadmap data.

37. (previously presented) The method as claimed in claim 25, wherein the selected group of files contain application programs.

38. (previously presented) The method as claimed in claim 25, wherein one of the scrambled codes determines a time limit on a use right.

39. (currently amended) A storage medium for ~~a motor vehicle computer~~ an automotive navigation or multimedia system comprising:

a storage medium which stores a plurality of data files including a selected group of the plurality of data files in encrypted form in a hierarchical file structure, said selected group of the plurality of data files having an associated identifier, which is a vector, that may be used to limit

access, and wherein at least some of the data files are map files.

40. (original) The storage medium as claimed in claim 39, wherein the identifier is an m-dimensional vector, where m is the number of files.

41. (original) The storage medium as claimed in claim 39, wherein the vector has binary components.

42. (previously presented) The storage medium as claimed in claim 39, wherein m components $a(1), a(2), a(3), \dots$ of a vector $AC(x)=(a(1), a(2), a(3), \dots, a(x-1), a(x), a(x+1), \dots, a(m))$ are used to characterize a position of a file $D(x)$ in the hierarchical file structure such that all the components of the vector $AC(x)$ which are allocated to files on which the file $D(x)$ is hierarchically dependent take a first value, while all the remaining components, which are allocated to files on which the file $D(x)$ is not hierarchically dependent, take a second value.

43. (original) The storage medium as claimed in claim 39, wherein the storage medium is an optical storage medium.

44. (original) The storage medium as claimed in claim 39, wherein the storage medium is a CD-ROM.

45. (original) The storage medium as claimed in claim 39, wherein the storage medium is a DVD.